Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. I^st & Final Bill

Date.....2018

Division: Project Sub-Division: **Project**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code: 005-17-000065**

Schedule Docket No. Head of Account: P3119(Special Developmental Works) Est.Cost- **65.00 Lakhs**

Name of Work: **Providing Chainlink Fencing for Government Land and Burrial ground at Kattigenahalli Village in Ward No.05**

Name of Contractor and Full Address: **Sri K. Narayanaswamy**

Reference to Agreement No:**129/17-18** Date: **05-03-2018**

Certified that the measurements were taken by me on 29/08/18 and recorded of Pages 220930 to 220958 of measurement Book No. 01/18-19 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 29/08/2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer 29/8/18
Project Division
Sub-Division Officer
Yelahanka Zone
Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within		
2)	Deduct amount to be held in reserve being .....percent Rs.....		
3)	" Balance		
4)	Deduct Payment:		
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....	Total: Amount adjusted	68,54,314-00
	towards cash advance recovery of		
	Payments cost store or other material supplied.	IT -	68543-00
	Now made recovery of amount creditable to this/other work	CGST -	68543-00
	Amount paid on this bill Cheque / Cash.	CBF -	6854-00
		LR -	13709-00
5)	Balance being unpaid value of work done held in reserve.	1% CGST -	68543-00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	1% SGST -	68543-00
7)	Net amount due to or from Contractor unadjustments items.		
8)	Advance to Contractor for materials brought to site (as detailed) within.	Adjt:	294735-00
9)	Value of Government materials supplied.	Cheque:	65,59,579-00
	Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Audited & Admitted for Rs. 68,54,314-00 (For use in the Office)

B: 65,59,579-00 by Cheque
and Rs. 294735-00 w Adjustment

Accts. Supdt. Project Division B.B.M.P. 06/10

Executive Engineer Division B.B.M.P

Name of Work:Providing Chain link fencing for Government Land & Burrial Ground at Kattigenahalli Village in Ward No:05

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	KSRRB M200-10.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. I. By Manual Means: A. In area of light jungle. MORTH Specification No. 201. and as per the direction of Engineer-in-charge	Ha	0.05	56958.51	2837.00	-	-	0.05	56958.51	2836.53 2848- 2848-	0.05	2836.53
2	KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301. and as per the direction of Engineer-in-charge	Cum	845.98	190.4	161074.00	-	-	845.98	190.4	161073.64	845.98	161073.64
	Above 125%		172.34	190.4	32814.00			163.49	190.4	31127.69	163.49	31127.69

	[illegible] Cum	Cum	114.52	5671.61	649488.00	-	-	114.52	5671.61	649454 649487.96 649454-	114.52	649487.96
	Above 125%		5.61	5671.61	31823.00			2.61	5671.61	14803- 14810.70	2.61	14810.70
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1 : 6 stone hammerd dressed in courses not less than 20 ems high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the direction of Engineer-in-charge	Cum	55.91	4600.0	257201.00	-	-	45.96	4600.0	14803- 211.416- 211412.55 211416-	45.96	211412.55
5	KSRB 4-1 .6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the direction of Engineer-in-charge	Cum	7.83	6340.5	49674.00	-	-	5.54	6340.5	35126- 35131.44 35126-	5.54	35131.44
6	KSRB 6-1.3 : Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 3.5Newton per sqmm with cement mortar1:6 including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	0.00	7305.39	0.00	-	-		7305.39	0.00	0.00	0.00

	[illegible] Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	747.91	284.33	212653.00	-	-	747.00	284.33	212394.51	747.00	212394.51
8	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Nos	606.55	82.73	50180.00	-	-	606.12	82.73	50144.31	606.12	50144.31
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.	Sqm	13.50	70626.54	953458.00	-	-	13.50	70626.54	953458.29	13.50	953458.29
10	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2	Cum	1600.10	341.43	546324.00	-	-	1599.00	341.43	545946.57	1599.00	545946.57

	[illegible] aggregates @0.46cum with superplasticizers @ 3lts conforming to [illegible] machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.	Cum	213.83	7004.73	1497849.00	-	-	213.80	7004.73	1497625.28	213.80	1497625.28
12	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading , unloading, etc.,complete as per the direction of engineer in charge.	Sqm	429.00	2465.9	1057871.00	-	-	429.00	2465.9	1057871.10	429.00	1057871.10
	Above 125%		103.74	2100.00	217854.00	-	-	103.74	2100.00	217854.00	103.74	217854.00
13	Providing precast slab of 250 mm thick including cost of all materials, labour, curing, transportation, loading , unloading,etc.,complete as per the direction of engineer in charge.	Cum	0.00	5514.76	0.00	-	-	0.00	5514.76	0.00	0.00	0.00
14	KSRRB M2200-8.1. Back filling behind abutment, wing wall and return wall complete as per drawing and Technical Specification complete as per specifications. A. Granular material.	Cum	38.20	610.62	23325.00	-	-	36.15	610.62	22071.47	36.15	22071.47

	guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Cum	43.20	767.94	33175.00	-	-		767.94	0.00	0.00	0.00
16	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)	Sqm	21.00	850.0	17850.00	-	-		850.0	0.00	0.00	0.00
17	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint	m	48.00	377.56	18123.00	-	-		377.56	0.00	0.00	0.00

	Angle iron frame, using 50mm x 50mm 14 gauge M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 25mm x 6mm and 16 x 16mm square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.	m	7.51	3419.04	25668.00	-	-	7.51	3419.04	25677- 25668.44 25677-	7.51	25668.44
19	Sinking Borewell of 165mm dia clear, using fast rig in all strata including over-burden upto 20mts. Fixing of casing Pipes, collars and cap with necessary cutting and threading including, transportation of Rig and supporting vehicle, crew charge and cost of consumbles, etc, complete including yield testing at the final depth with a minimum woring of compressor for one hour. (excluding cost of casing pipes, collars and cap, etc.) b) 0.00 to 50.00 Mtr	Cum	50.00	330.17	16509.00	-	-	50.00	330.17	16508.50	50.00	16508.50
20	b) 50.00 to 100.00 Mtr	Sqm	50.00	431.6	21580.00	-	-	50.00	431.6	21580.00	50.00	21580.00
21	c) 100.00 to 150.00 Mtr	Nos	50.00	480.15	24008.00	-	-	50.00	480.15	24007.50	50.00	24007.50
22	d) 150.00 to 200.00 Mtr	Nos	50.00	478.0	23900.00	-	-	50.00	478.0	23900.00	50.00	23900.00
23	e) 200.00 to 250.00 Mtr	Nos	50.00	550.0	27500.00	-	-	50.00	550.0	27500.00	50.00	27500.00
24	f) 250.00 to 300.00 Mtr	Nos	50.00	590.0	29500.00	-	-	50.00	590.0	29500.00	50.00	29500.00
25	g) 300.00 to 350.00 Mtr	Nos	42.00	630.0	26460.00	-	-	42.00	630.0	26460.00	42.00	26460.00

	and steel casing Pipe grade of steel Fes 4160 of wall thickness 5mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty.	Nos	40.00	1330.0	53200.00	-	-	40.00	1330.0	53200.00	40.00	53200.00
27	a) Above 20mtrs and upto 30mtrs.@15%	Nos	20.00	50.0	1000.00	-	-	20.00	50.0	1000.00	20.00	1000.00
28	b) Above 30mtrs@30%	Nos	10.00	93.0	930.00	-	-	10.00	93.0	930.00	10.00	930.00
29	175mm M.S. B-Class Casing Collar	Nos	7.00	153.0	1071.00	-	-	7.00	153.0	1071.00	7.00	1071.00
30	175mm dia Casing Cap	Nos	1.00	105.0	105.00	-	-	1.00	105.0	105.00	1.00	105.00
31	Supply and delivery at site brand new submesible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS:8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 20 stage (CRI Pumps)		1.00	70610.0	70610.00	-	-	1.00	70610.0	70610.00	1.00	70610.00
32	Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239-1979 PART-I/1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with		250.00	350.0	87500.00	-	-	250.00	350.0	87500.00	250.00	87500.00
33	Submersible Cable: Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm		528.00	95.0	50160.00	-	-	528.00	95.0	50160.00	528.00	50160.00
34	50 mm dia GI Collar Heavy duty		1.00	135.0	135.00	-	-	1.00	135.0	135.00	1.00	135.00

	PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive pase etc., and running before concreting the slab. The conduit should be tiled to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosuers. Run with 18SWGGI fish wire wherever necessary.		10.00	52.0	520.00	-	-	10.00	52.0	520.00	10.00	520.00
40	Supplying of TPST with rewirable porcelain channels in SM enclosure.		1.00	1470.0	1470.00	-	-	1.00	1470.0	1470.00	1.00	1470.00
41	Supplying and fixing polished wood board made of not less than 15 mm thick plan on both sides with planks made out of more than two pieces and fixing the same to the wall using wooden		2.00	312.0	624.00	-	-	2.00	312.0	624.00	2.00	624.00
42	Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multistrand 2x1.5 Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box. The other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet (P-3. 1-8) (a) Short Point upto 3Mtr form tapping point to outet via switch		1.00	195.0	195.00	-	-	1.00	195.0	195.00	1.00	195.00
43	© Long Point above 6 Mtr. Upto 10 Mtr. From tapping point to out let via switch		1.00	415.0	415.00	-	-	1.00	415.0	415.00	1.00	415.00
44	Supplying 6 A flush/projected type socket and a 6Amps flush/projected type SP switch either surface/flush mounting in a existing gang box or a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required		1.00	120.0	120.00	-	-	1.00	120.0	120.00	1.00	120.00
45	Wiring for lighting /power circuit using one of PVC insulated 1100V grade multis and Copper conductor single core cable in open or		25.00	25.0	625.00	-	-	25.00	25.0	625.00	25.00	625.00

	plant batten holder & wiring 60w/230 Volts		3.00	65.0	195.00			3.00	65.0	195.00	3.00	195.00
47	Supplying and fixing of LED type panel borad indicating lamp with required colour suitable for 220 v A.C. 50 Hz 12/24v D.C.		3.00	470.0	1410.00	-	-	3.00	470.0	1410.00	3.00	1410.00
48	Supplying of LT UG cable having aluminium conductor PVC insulated. Sheathed. Galvanished. Steel wire/steel tape armoured cable with PVC outer sheathing 1.1KV class (conforming to IS 1554).		15.00	170.0	2550.00	-	-	15.00	170.0	2550.00	15.00	2550.00
49	Lobour charges for laying of 1.1KV class UG cable when supplied departmentally/ agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required.		15.00	10.0	150.00	-	-	15.00	10.0	150.00	15.00	150.00
50	Digging of trench of 0.6mtrs deepx0.5 mtrs wide refilling the required gorund level and consolidating etc., complete.		10.00	50.0	500.00	-	-	10.00	50.0	500.00	10.00	500.00
51	Supplying and fixing of class 'A' GI pipe on pole /wall/drain crossing with necessary clamping arrangement for UG cable of 1.1KV class.		4.00	260.0	1040.00	-	-	4.00	260.0	1040.00	4.00	1040.00
52	Supplying and fixing of heay duty cable glands suitable for UG cable of 1.1KV class metal only		1.00	71.0	71.00	-	-	1.00	71.0	71.00	1.00	71.00
53	Supplying and fixing miniature circuit breakers on existing MCB disitribution boards using necessary fixing materials and wiring complete		1.00	1085.0	1085.00	-	-	1.00	1085.0	1085.00	1.00	1085.00
54	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete		5.00	108.0	540.00	-	-	5.00	108.0	540.00	5.00	540.00
55	Supplying and fixing L.T. cast lorn pot heads suitable for 1.1. KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and		1.00	280.0	280.00	-	-	1.00	280.0	280.00	1.00	280.00

	Supplying, fixing, wiring, earth electrode for gounding conduits, I.E cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checkunts etc., the pipe shall have 16 through holes of 122mm dia		1.00	2106.0	2106.00	-	-	1.00	2106.0	2106.00	1.00	2106.00
57	Supplying decorative horizontal type street light fluorescent fitting weather and water proof complete with low loss open construction copper wound ferromagnetic ballast,starter,locking type brass contact holders with 1 No. of 4 feet 40 watts fluorescent tube completely wired for use on 230/250 volts. 50cycles AC supply with opal reeded Perspex cover at bottom complete fitting		1.00	1544.0	1544.00	-	-	1.00	1544.0	1544.00	1.00	1544.00
58	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluroscent tube street light fitting of all capacities of GI or CI or rail or RCC pole/ wall using suitable clamps. bolts. and nuts and wiring using suitable capacity wires complete		1.00	658.0	658.00	-	-	1.00	658.0	658.00	1.00	658.00

59	Providing and installing at site work P.V.C. Pipes including cost of pipes and specials and labour,including lowering into trenches,laying true to line,level and perfect linking at joints lead proof including jointing of approved type with all labour and lift charge, handling charges with all leads,including encasing the pipe around to a depth not less than 15cms with gravel or selected earth available from the excavation etc.,complete		121.00	110.0	13310.00	-	-	121.00	110.0	13310.00	121.00	13310.00
60	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications.		1000.00	6.0	6000.00	-	-	1000.00	6.0	6000.00	1000.00	6000.00
E1	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications		173.00	1056.16	182711.00	-	-	173.00	1056.16	182710.67 182716-	173.00	182710.67
E2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift,		937.00	364.47	341513.00	-	-	937.00	364.47	341512.82 341508-	937.00	341512.82

E3	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305		414.56	351.67	145788.00	-	-	414.56	351.67	145787.86	414.56	145787.86
	Bescom Deposit Charges	Ls	1.00	12541	12541.00	-	-	1.00	12541.00	12541.00	1.00	12541.00
	Total				**7004675.00**					**6854346.84**		**6854346.84**

Rs. 68,54,314-00

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Assistant Engineer

Asst. Executive Engineer

8/8/2018

68,41,773-
12541+
6854314